



Docket No. PF178D2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: Soppet, et al.

Application No.: 09/525,041

Group Art Unit: 1642

Filed: March 14, 2000

Examiner: J. E. Hunt

For: Colon Specific Gene and Protein

#14
JM
7/16/02

Declaration of Adam Bell under 37 C.F.R. § 1.132

Commissioner for Patents
Washington, D.C. 20231

Sir:

1. I, Adam Bell, Ph.D., hereby declare and state as follows:
2. I am a research scientist at Human Genome Sciences, Inc. (HGS), assignee of the above captioned application.
3. The experiments described herein were either performed by myself or by other employees at HGS.
4. Exhibit A shows immunoblot analyses wherein affinity purified rabbit polyclonal anti-serum generated against the recombinant Colon Specific Protein specifically detects recombinant purified Colon Specific Protein. To the best of my knowledge, the amino acid sequence of recombinant Colon Specific Protein and the amino acid sequence of Colon Specific Protein shown as SEQ ID NO:2 in the above captioned application are identical.
5. Exhibit B shows immunohistochemical analyses wherein affinity purified rabbit polyclonal anti-serum generated against the Colon Specific Protein, but not negative control serum, detects Colon Specific Protein in normal human colon tissue.

6. Exhibit C shows a bar graph, log-scale, representation of mRNA expression analyses wherein Colon Specific Protein mRNA is overexpressed in intestinal cancer tissues (such as colon adenocarcinoma) as compared to normal intestinal tissues.

7. From the experiments described above, as well as other additional experiments performed by myself or performed by other employees at HGS:

(a) the Colon Specific Gene and Protein appear to be expressed as both mRNA and protein in normal human colon; and,

(b) the Colon Specific Gene appears to be overexpressed at the mRNA level in some human colon cancers, and the Colon Specific Protein is, therefore, also likely to be overexpressed in some human colon cancers.

8. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under § 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issuing thereupon.

07/03/02
DATE

Adam Bell
ADAM BELL